



EIZO takes monitor calibration to the next level!

Unveiled for the first time this week at photographic show "Focus on Imaging" EIZO's brand new self calibrating 24" monitor takes monitor set up and calibration to the next level. Developed using trusted technology seen for many years in EIZO's RadiForce medical displays, the new EIZO ColorEdge CG245W has its own new and unique feature, never before seen on a graphics monitor, allowing for self calibration.

The unique "built in sensor" which sits within the bezel of the monitor can be controlled via either EIZO's in-house developed software ColorNavigator or by its own OSD. The sensor which drops down on to the screen allows the monitor to be calibrated automatically; leaving the user without the need for any extra calibration equipment. Larger corporations will see this benefit of this new technology, by setting up its monitors to calibrate themselves at set schedules relieving the issue of individually setting up its monitors. Reassuringly, even if the monitor is switched off, or not even connected to a PC or Mac, it will still stick to its preset schedule and set the calibration process in motion.

Not only does the EIZO ColorEdge CG245W include this new technology, you also once again get the trusted reliability and functions as seen in other ColorEdge displays. The CG254W also offers outstanding colour for just about any imaging task such as pre-press, digital photography, video editing, and post production. It also features a wide colour gamut, IPS panel, and a DisplayPort input.

Designed to handle both still and moving images equally well, this 24.1-inch widescreen monitor features an IPS (in-plane switching) LCD panel with a native resolution of 1920 × 1200 (16:10 aspect ratio) and a grey-to-grey response time of 5 ms. The monitor boasts wide 178° horizontal and vertical viewing angles, enabling users to view images from any position.

DisplayPort and dual digital/analog DVI-I inputs are included for connection to three PCs. With a DisplayPort connection, the ColorEdge CG245W accepts 10-bit PC video signals and can display 1.07 billion colours from a pallet of 68 billion. This is 64 times more than the typical 16.7 million colours shown using 8-bit display with the monitor's DVI-I input.



The ColorEdge CG245W's LCD panel has a maximum brightness of 270 cd/m² and contrast ratio of 850:1. Its wide gamut reproduces 98% of the Adobe RGB colour space often used in printing and digital photography. It also reproduces 100% of the colour spaces used in broadcasting such as PAL/SECAM, SMPTE-C, and HDTV.

EIZO's Digital Uniformity Equalizer (DUE) function counteracts brightness and chroma uniformity errors that are characteristic of LCD panels. This ensures the ColorEdge CG245W has screen uniformity with a Delta E difference of 3 or less.

16-bit internal processing produces smooth display of greyscale tones. This brings out a high level of detail in dark areas of an image, which are typically problematic for LCD monitors to display.

An EIZO-developed 3D-look up table improves the panel's additive colour mixture (combination of red, green, and blue), a key factor in its ability to achieve grey balance or neutral grey tones. Whereas a typical 1D LUT adjusts colours on separate tables for each red, green, and blue, the 3D LUT accomplishes this on a single, mixed-colour cubic table.

And as usual with all EIZO ColorEdge displays, the ColorEdge CG245W has the leading industry 5 years onsite warranty.

-ENDS-

About EIZO –

EIZO Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitor systems. The image quality, long-term reliability, and innovative features of EIZO monitors make them the products of choice in many financial trading rooms, hospitals, back offices, and design studios. EIZO is based in Hakusan, Japan and represented in more than fifty countries by a network of exclusive distributors.